

# ALASKA CROP-WEATHER

Alaska Division of Agriculture  
Alaska Cooperative Extension  
Ag & Forestry Experiment Station



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

USDA, NASS, Alaska Field Office  
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**RELEASED:** May 27, 2008

**GENERAL:** There were **5.0 days suitable for fieldwork**. **Topsoil moisture** supplies were reported as 100% adequate. **Subsoil moisture** supplies were listed as 10% short, 90% adequate. **Barley** was reported as 99% planted, 30% emerged. **Oats** were reported as 95% planted, 25% emerged. **Potatoes** were reported as 25% planted. **Winter freeze damage** to grass fields was reported as 95% none, 5% light. **Range & pasture** condition was rated as 5% poor, 15% fair, 65% good, 15% excellent. **Condition of livestock** was listed as 5% poor, 15% fair, 50% good, 30% excellent. **Fieldwork progress** was reported as zero to ten days behind normal. The main **farm activities** for the week were planting small grains and potatoes, transplanting vegetables, spreading fertilizer.

CROP WEATHER SUMMARY May 19 - May 25, 2008		
DAYS SUITABLE FOR FIELDWORK: 5.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	0%	10%
ADEQUATE	100%	90%
SURPLUS	0%	0%
PAN EVAPORATION FOR 05/19 - 05/25 MAT AES SITE: -0.808		

**TANANA VALLEY:** An average of **5.5 days was suitable for fieldwork**. **Topsoil moisture** was reported at 100% adequate. **Subsoil moisture supplies** were 10% short, 90% adequate. **Barley, oats** and canola were reported as 99% planted. Both barley and oats were reported as 30% emerged. **Range & pasture** condition was rated as 5% poor, 20% fair, 65% good, 10% excellent. **Livestock condition** was listed as 5% poor, 35% fair, 50% good, 10% excellent. **Farm activities** for the week included planting small grains and canola, spreading fertilizer and preparing machinery.

**MATANUSKA VALLEY:** An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported at 100% adequate. **Subsoil moisture** was reported as 5% short, 95% adequate. Small grains fields were starting to emerged. **Range & pasture** condition was rated as 15% fair, 70% good, 15% excellent. **Livestock conditions** were listed at 5% fair, 50% good, 45% excellent. Major **farm activities** during the week included planting small grains and potatoes, transplanting vegetables, spreading fertilizer, cutting sod and irrigating.

**KENAI PENINSULA:** There were **3.0 days suitable for fieldwork last**. **Topsoil moisture** was reported at 5% short, 95% adequate. **Subsoil moisture** was reported as 100% adequate. **Range & pasture** condition was rated as 10% poor, 25% fair, 50% good, 15% excellent. **Livestock conditions** were listed at 10% poor, 25% fair, 45% good, 20% excellent. Major **farm activities** for the week included planting potatoes and ordering/spreading fertilizer.

## Soil Temperatures ( F<sup>0</sup> ) at 4 inch depth

	<u>Grass</u>			<u>Fallow land</u>			<u>Temperature</u>		<u>Precip</u> <u>(inches)</u>
	2008	2007	2006	2008	2007	2006	High	Low	
UAF-AFES, Trunk Road	43	47	48	49	49	50	66	33	0.41
Sawmill Creek	35	42	41	na	na	na	69	33	0.54
Plant Materials Center	na	49	46	na	na	na	na	na	na

## PAN EVAPORATION

Pan evaporation is an indirect estimation of evapotranspiration or consumptive water use by plants. For purposes of watering or irrigation of plants, it is a good indicator of climatic effects on water use by crops. A positive reading indicates that evaporation exceeded precipitation.

Weather Summary For Alaska Agricultural Statistics Service  
 Prepared By AWIS.com from NWS preliminary data

For the Period: Monday May 19, 2008  
 To: Sunday May 25, 2008

STATION	LAST WEEK WEATHER SUMMARY						May 1, 08 - May 25, 08 GDD					BASE 40F TOT
	TEMPERATURE			PRECIPITATION			PRECIPITATION			GDD BASE 50F		
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	
Fairbanks_Intl	70	36	53	+2	0.12	3	0.75	+0.31	11	35	+9	237
Fairbanks/Eiels	66	33	50	-3	0.89	3	1.51	+1.03	9	8	-18	172
Nenana_Muni_AM	67	34	51	+0	0.11	2	0.48	+0.26	6	17	+0	186
Ftgreely/Allen	67	36	50	-2	0.28	2	0.61	+0.08	7	8	-37	168
Healy_River_Air	57	32	47	-4	0.16	3	0.36	-0.15	8	3	-5	131
Gulkana_Arpt_A	64	26	46	+0	0.06	2	0.10	-0.32	4	0	-7	84
Sutton	61	28	45	-4	0.23	3	1.37	+0.75	14	0	-9	94
Palmer_Municipa	65	34	48	-2	0.20	2	0.20	-0.30	2	1	-21	153
Talkeetna	67	31	47	-2	0.46	2	0.60	-0.69	5	2	-5	114
Willow_Airport	64	35	49	-2	0.27	3	1.29	+0.81	14	5	+0	150
Anchorage_Intl	62	33	47	-3	0.28	1	0.41	-0.12	4	0	-15	111
Kenai_Municipal	61	33	44	-3	0.22	2	0.36	-0.39	5	0	-5	88
Homer	52	31	42	-4	0.15	3	1.04	+0.16	10	0	-2	59
Kodiak	55	31	43	-3	0.77	3	12.97	+7.86	18	0	-5	34

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